I claim:

- 1. A method for treating demyelinating central nervous system diseases in a subject, comprising:
- administering to the subject a composition comprising a therapeutically active amount of a colony stimulating factor or a colony stimulating factor-like ligand.
 - 2. The method of claim 1 wherein the origin of said colony stimulating factor-like ligand is natural, recombinant, or chemically synthesized.
 - 3. The method of claim 1 wherein said colony stimulating factor-like ligand is delivered orally, parenterally, or by expression of transfected genetic material in vivo.
- The method of claim 1 wherein said colony stimulating factor-like ligand is
 administered by a therapeutically effective means including transmucosal, subcutaneous, transcutaneous, intramuscular, intravenous, or implantation of sustained release formulations.
- 5. The method of claim 1 wherein said colony stimulating factor or colony20 stimulating factor-like ligand is a granulocyte-macrophage colony stimulating factor.

- 6. The method of claim 5, wherein said granulocyte-macrophage colony stimulating factor is a biologically active congener of said granulocyte-macrophage colony stimulating factor.
- 5 7. The method of claim 5 wherein said colony stimulating factor-like ligand is sargramostim.
 - 8. The method of claim 1 wherein said composition includes a type 1 interferoncongener.

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- 9. The method of claim 8 wherein said type 1 interferon congener includes a interferon-beta congener.
- 10. The method of claim 9 wherein said interferon-beta congener includes interferon-15 beta-1a.
 - 11. The method of claim 1, wherein said colony stimulating factor or colony stimulating factor-like ligand is administered to the subject in an amount of from about 50 to about 250 micrograms.

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12. The method of claim 1, wherein said method comprises at least one of an antibiotic, sulfonamide, anti-inflammatory agent, or an immunomodulatory agent.

- 13. The method of claim 1, wherein said disease is multiple sclerosis.
- The method of claim 1, wherein said disease has at least one of the following
 manifestations: acute, chronic, single episode, recurrent episode, progressive,
 progressive-relapsing, relapsing-progressive, and unremitting.
- 15. A method of treating multiple sclerosis comprising:
 administering to the subject a composition comprising a therapeutically active
 amount of a colony stimulating factor or a colony stimulating factor-like ligand.
 - 16. The method of claim 15 wherein the origin of said colony stimulating factor-like ligand is natural, recombinant, or chemically synthesized.
- 15 17. The method of claim 15 wherein said colony stimulating factor-like ligand is delivered orally, parenterally, or by expression of transfected genetic material in vivo.
 - 18. The method of claim 15 wherein said colony stimulating factor or colony stimulating factor-like ligand is a granulocyte-macrophage colony stimulating factor.

19. The method of claim 18 wherein said colony stimulating factor-like ligand is sargramostim.

- 20. The method of claim 15 wherein said composition includes a type 1 interferoncongener.
- 5 21. The method of claim 20 wherein said type 1 interferon congener includes a interferon-beta congener.
 - 22. The method of claim 15, wherein said colony stimulating factor or colony stimulating factor-like ligand is administered to the subject in an amount of from about 50 to about 250 micrograms.
 - 23. The method of claim 15, wherein said method comprises at least one of an antibiotic, sulfonamide, anti-inflammatory agent, or an immunomodulatory agent.
- 24. A method of treating the symptoms of multiple sclerosis comprising:
 administering to the subject a composition comprising a therapeutically active
 amount of a colony stimulating factor or a colony stimulating factor-like ligand.
- 25. The method of claim 24 wherein said colony stimulating factor-like ligand isdelivered orally, parenterally, or by expression of transfected genetic material in vivo.

- 26. The method of claim 24 wherein said colony stimulating factor or colony stimulating factor-like ligand is a granulocyte-macrophage colony stimulating factor.
- 27. The method of claim 26 wherein said colony stimulating factor-like ligand is5 sargramostim.
 - 28. The method of claim 24, wherein said method comprises at least one of an antibiotic, sulfonamide, anti-inflammatory agent, or an immunomodulatory agent.
- 10 29. A method of improving demyelinating central nervous system disease treatment in a subject, comprising:

administering to the subject a composition comprising a therapeutically active amount of a colony stimulating factor or a colony stimulating factor-like ligand.

- 15 30. The method of claim 29 wherein said colony stimulating factor-like ligand is delivered orally, parenterally, or by expression of transfected genetic material in vivo.
 - 31. The method of claim 29 wherein said colony stimulating factor or colony stimulating factor-like ligand is a granulocyte-macrophage colony stimulating factor.

32. The method of claim 29 wherein said colony stimulating factor-like ligand is sargramostim.

33. The method of claim 29, wherein said method comprises at least one of an antibiotic, sulfonamide, anti-inflammatory agent, or an immunomodulatory agent.